



PCT10

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/070,464

DATE: 03/21/2002

TIME: 14:58:24

Input Set : A:\GH-007-SEQLIST.TXT
 Output Set: N:\CRF3\03212002\J070464.raw

4 <110> APPLICANT: ABBOTT, Catherine Anne
 5 GORRELL, Mark Douglas
 7 <120> TITLE OF INVENTION: DIPEPTIDYL PEPTIDASES
 10 <130> FILE REFERENCE: GH-007
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/070,464
C--> 12 <141> CURRENT FILING DATE: 2002-03-07
 12 <150> PRIOR APPLICATION NUMBER: PCT/AU00/01085
 13 <151> PRIOR FILING DATE: 2000-09-11
 15 <150> PRIOR APPLICATION NUMBER: AU PQ5709
 16 <151> PRIOR FILING DATE: 2000-02-18
 18 <150> PRIOR APPLICATION NUMBER: AU PQ2762
 19 <151> PRIOR FILING DATE: 1999-09-10
 21 <160> NUMBER OF SEQ ID NOS: 8
 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 882
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Homo Sapiens
 30 <400> SEQUENCE: 1
 31 Met Ala Ala Ala Met Glu Thr Glu Gln Leu Gly Val Glu Ile Phe Glu
 32 1 5 10 15
 33 Thr Ala Asp Cys Glu Glu Asn Ile Glu Ser Gln Asp Arg Pro Lys Leu
 34 20 25 30
 35 Glu Pro Phe Tyr Val Glu Arg Tyr Ser Trp Ser Gln Leu Lys Lys Leu
 36 35 40 45
 37 Leu Ala Asp Thr Arg Lys Tyr His Gly Tyr Met Met Ala Lys Ala Pro
 38 50 55 60
 39 His Asp Phe Met Phe Val Lys Arg Asn Asp Pro Asp Gly Pro His Ser
 40 65 70 75 80
 41 Asp Arg Ile Tyr Tyr Leu Ala Met Ser Gly Glu Asn Arg Glu Asn Ile
 42 85 90 95
 43 Leu Phe Tyr Ser Ile Ile Tyr Ser Ile Ile Asp Asp Ile Asp Ile Val Ile
 44 100 105 110
 45 Met Leu Ser Trp Lys Pro Ile Leu Asp Ser Asp Ile Ser Glu Ala Ile Ile Ile Ile
 46 115 120 125
 47 Tyr Gly Met Tyr Ser Arg Glu Glu Glu Leu Leu Arg Glu Arg Lys Arg
 48 130 135 140
 49 Ile Gly Thr Val Gly Ile Ala Ser Tyr Asp Tyr His Glu Gly Ser Gly
 50 145 150 155 160
 51 Thr Phe Leu Phe Gln Ala Gly Ser Gly Ile Tyr His Val Lys Asp Gly
 52 165 170 175
 53 Gly Pro Gln Gly Phe Thr Gln Gln Pro Leu Arg Pro Asn Leu Val Glu
 54 180 185 190

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55 Thr Ser Cys Pro Asn Ile Arg Met Asp Pro Lys Leu Cys Pro Ala Asp
 56 195 200 205
 57 Pro Asp Trp Ile Ala Phe Ile His Ser Asn Asp Ile Trp Ile Ser Asn
 58 210 215 220
 59 Ile Val Thr Arg Glu Glu Arg Arg Leu Thr Tyr Val His Asn Glu Leu
 60 225 230 235 240
 61 Ala Asn Met Glu Glu Asp Ala Arg Ser Ala Gly Val Ala Thr Phe Val
 62 245 250 255
 63 Leu Gln Glu Glu Phe Asp Arg Tyr Ser Gly Tyr Trp Itp Cys Pro Lys
 64 260 265 270
 65 Ala Glu Thr Thr Pro Ser Gly Gly Lys Ile Leu Arg Ile Leu Tyr Glu
 66 275 280 285
 67 Glu Asn Asp Glu Ser Glu Val Glu Ile Ile His Val Thr Ser Pro Met
 68 290 295 300
 69 Leu Glu Thr Arg Arg Ala Asp Ser Phe Arg Tyr Pro Lys Thr Gly Thr
 70 305 310 315 320
 71 Ala Asn Pro Lys Val Thr Phe Lys Met Ser Glu Ile Met Ile Asp Ala
 72 325 330 335
 73 Glu Gly Arg Ile Ile Asp Val Ile Asp Lys Glu Leu Ile Gln Pro Phe
 74 340 345 350
 75 Glu Ile Leu Phe Gln Gly Val Gln Tyr Ile Ala Asn Ala Gly Itp Thr
 76 355 360 365
 77 Pro Glu Gly Lys Tyr Ala Trp Ser Ile Leu Leu Asp Arg Ser Gln Thr
 78 370 375 380
 79 Arg Leu Gln Ile Val Leu Ile Ser Pro Glu Leu Phe Ile Pro Val Glu
 80 385 390 395 400
 81 Asp Asp Val Met Glu Arg Gln Arg Leu Ile Glu Ser Val Pro Asp Ser
 82 405 410 415
 83 Val Thr Pro Leu Ile Ile Tyr Glu Gln Thr Thr Asp Ile Trp Ile Asn
 84 420 425 430
 85 Ile His Asp Ile Phe His Val Phe Pro Gln Ser His Glu Glu Glu Ile
 86 435 440 445
 87 Glu Phe Ile Phe Ala Ser Glu Cys Lys Thr Gly Phe Arg His Leu Tyr
 88 450 455 460
 89 Lys Ile Thr Ser Ile Leu Lys Glu Ser Lys Tyr Lys Arg Ser Ser Gly
 90 465 470 475 480
 91 Gly Leu Pro Ala Pro Ser Asp Phe Lys Cys Pro Ile Lys Glu Glu Ile
 92 485 490 495
 93 Ala Ile Ile Ser Ile Gln Itp Ile Ile Ile Tyr Asp His Ile Ser Asp
 94 500 505 510
 95 Ile Glu Val Asp Gln Val Asp Asp Ile Val Tyr Phe Gln Thr Thr Tyr
 96 515 520 525
 97 Asp Ser Asp Ile Gln His His Tyr Val Val Ser Tyr Val Asp Pro
 98 530 535 540
 99 Gly Glu Val Thr Arg Leu Thr Asp Arg Gly Tyr Ser His Ser Cys Cys
 100 545 550 555 560
 101 Ile Ser Gln His Cys Asp Phe Phe Ile Ser Lys Tyr Ser Asp Gln Lys
 102 565 570 575
 103 Asn Pro His Cys Val Ser Leu Tyr Lys Leu Ser Ser Pro Glu Asp Asp

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| | | | | |
|-----|---|-----|-----|-----|
| 104 | 580 | 585 | 590 | |
| 105 | Pro Thr Cys Lys Thr Lys Glu Phe Trp Ala Thr Ile Leu Asp Ser Ala | | | |
| 106 | 595 | 600 | 605 | |
| 107 | Gly Pro Leu Pro Asp Tyr Thr Pro Pro Glu Ile Phe Ser Phe Glu Ser | | | |
| 108 | 610 | 615 | 620 | |
| 109 | Thr Thr Gly Phe Thr Leu Tyr Gly Met Leu Tyr Lys Pro His Asp Leu | | | |
| 110 | 625 | 630 | 635 | 640 |
| 111 | Gln Pro Gly Lys Lys Tyr Pro Thr Val Leu Phe Ile Tyr Gly Gly Pro | | | |
| 112 | 645 | 650 | 655 | |
| 113 | Gln Val Gln Leu Val Asn Asn Arg Phe Lys Gly Val Lys Tyr Phe Arg | | | |
| 114 | 660 | 665 | 670 | |
| 115 | Leu Asn Thr Leu Ala Ser Leu Gly Tyr Val Val Val Val Ile Asp Asn | | | |
| 116 | 675 | 680 | 685 | |
| 117 | Arg Gly Ser Cys His Arg Gly Leu Lys Phe Glu Gly Ala Phe Lys Tyr | | | |
| 118 | 690 | 695 | 700 | |
| 119 | Lys Met Gly Gln Ile Glu Ile Asp Asp Gln Val Glu Gly Leu Gln Tyr | | | |
| 120 | 705 | 710 | 715 | 720 |
| 121 | Leu Ala Ser Arg Tyr Asp Phe Ile Asp Leu Asp Arg Val Gly Ile His | | | |
| 122 | 725 | 730 | 735 | |
| 123 | Gly Trp Ser Tyr Gly Gly Tyr Leu Ser Leu Met Ala Leu Met Gln Arg | | | |
| 124 | 740 | 745 | 750 | |
| 125 | Ser Asp Ile Phe Arg Val Ala Ile Ala Gly Ala Pro Val Thr Leu Trp | | | |
| 126 | 755 | 760 | 765 | |
| 127 | Ile Phe Tyr Asp Thr Gly Tyr Thr Glu Arg Tyr Met Gly His Pro Asp | | | |
| 128 | 770 | 775 | 780 | |
| 129 | Gln Asn Glu Gln Gly Tyr Tyr Leu Gly Ser Val Ala Met Gln Ala Glu | | | |
| 130 | 785 | 790 | 795 | 800 |
| 131 | Lys Phe Pro Ser Glu Pro Asn Arg Leu Leu Leu His Gly Phe Leu | | | |
| 132 | 805 | 810 | 815 | |
| 133 | Asp Glu Asn Val His Phe Ala His Thr Ser Ile Leu Leu Ser Phe Leu | | | |
| 134 | 820 | 825 | 830 | |
| 135 | Val Arg Ala Gly Lys Pro Tyr Asp Leu Gln Ile Tyr Pro Gln Glu Arg | | | |
| 136 | 835 | 840 | 845 | |
| 137 | His Ser Ile Arg Val Pro Glu Ser Gly Glu His Tyr Glu Leu His Leu | | | |
| 138 | 850 | 855 | 860 | |
| 139 | Leu His Tyr Leu Gln Glu Asn Leu Gly Ser Arg Ile Ala Ala Leu Lys | | | |
| 140 | 865 | 870 | 875 | 880 |
| 141 | Val Ile | | | |

142 <110> SEQ ID NO: 1

146 <211> LENGTH: 3120

147 <212> INPUT: DNA

148 <213> ORGANISM: Homo Sapiens

149 <214> SEQUENCE: 1

| | | | | | | | |
|-----|-------------|------------|-------------|-------------|------------|-------------|-----|
| 151 | aagtgtctaaa | gcctccgagg | ccaaaggccgc | tgtctactgcc | gcgcgtgttt | ctttagtgcgg | 60 |
| 152 | gtttcgccgc | ctgggttgtt | acccacacca | ccacccaaqa | acccactqca | accacqaccq | 120 |
| 153 | gagtggaggc | ggcgcagcat | qaageggcgc | aggccccgttc | catagcgcac | gtcgqqaacgg | 180 |
| 154 | tcggggcggg | gcgggggggg | ggggaaatgtc | aacatqqaq | caqcaatqqa | aaacaqaacag | 240 |
| 155 | ctgggtgttq | agatatttga | aactgcggac | tgtgaggaga | atattqaatc | acaggatcgg | 300 |
| 156 | ccctaaatttq | aqcctttta | tqttqaqcgq | tattcctgga | gtcagcttaa | aaagctgttt | 360 |

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208 <213> ORGANISM: Homo Sapiens
 210 <400> SEQUENCE: 3
 211 Phe Glu Gly Thr Lys Asp Ser Pro Leu Glu His His Leu Tyr Val Val
 212 1 5 10 15
 213 Ser Tyr Val Asn Pro Gly Glu Val Thr Arg Leu Thr Asp Arg Gly Tyr
 214 20 25 30
 215 Ser His Ser Cys Cys Ile Ser Gln His Cys Asp Phe Phe Ile Ser Lys
 216 35 40 45
 217 Tyr Ser Asn Gln Lys Asn Pro His Cys Val Ser Leu Tyr Lys Leu Ser
 218 50 55 60
 219 Ser Pro Glu Asp Asp Pro Thr Cys Lys Thr Lys Glu Phe Trp Ala Thr
 220 65 70 75 80
 221 Ile Leu Asp Ser Ala Gly Pro Leu Pro Asp Tyr Thr Pro Pro Glu Ile
 222 85 90 95
 223 Phe Ser Phe Glu Ser Thr Thr Gly Phe Thr Leu Tyr Gly Met Leu Tyr
 224 100 105 110
 225 Lys Pro His Asp Leu Gln Pro Gly Lys Lys Tyr Pro Thr Val Leu Phe
 226 115 120 125
 227 Ile Tyr Gly Gly Pro Gln Gly Gln Ile Glu Ile Asp Asp Gln Val Glu
 228 130 135 140
 229 Gly Leu Gln Tyr Leu Ala Ser Arg Tyr Asp Phe Ile Asp Leu Asp Arg
 230 145 150 155 160
 231 Val Gly Ile His Gly Trp Ser Tyr Gly Tyr Leu Ser Leu Met Ala
 232 165 170 175
 233 Leu Met Gln Arg Ser Asp Ile Phe Arg Val Aia Ile Ala Gly Ala Pro
 234 180 185 190
 235 Val Thr Leu Trp Ile Phe Tyr Asp Thr Gly Tyr Thr Glu Arg Tyr Met
 236 195 200 205
 237 Gly His Pro Asp Gln Asn Glu Gln Gly Tyr Tyr Leu Gly Ser Val Ala
 238 210 215 220
 239 Met Gln Ala Glu Lys Phe Pro Ser Glu Pro Asn Arg Leu Leu Leu
 240 225 230 235 240
 241 His Gly Phe Leu Asp Glu Asn Val His Phe Ala His Thr Ser Ile Leu
 242 245 250 255
 243 Leu Ser Phe Leu Val Arg Ala Gly Lys Pro Tyr Asp Leu Gln Ile Tyr
 244 260 265 270
 245 Pro Gln Glu Arg His Ser Ile Arg Val Pro Glu Ser Gly Glu His Tyr
 246 275 280 285
 247 His Leu Ser Ile Arg Val Pro Glu Ser Gly Glu His Tyr
 248 290 295 300
 249 Ala Ile Asp Tyr Val Ile
 250 295 300
 251 295 300
 252 295 300
 253 295 300
 254 <211> LENGTH: 1197
 255 <212> TYPE: DNA
 256 <213> ORGANISM: Homo Sapiens
 258 <400> SEQUENCE: 4
 259 attttgaagg caccaaagac tcccctttag aqcatcacct qtacqtagtc aqttacqtaa 60
 260 atctctggaaq ggtgacaaqq ctgactqacc qtggctactc acattttgc tgcacatcagtc 120

VERIFICATION SUMMARY

PATENT APPLICATION: **US/10/070,464**

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TIME: 14:58:25

Input Set : **A:\GH-007-SEQLIST.TXT**

Output Set: **N:\CRF3\03212002\J070464.raw**

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date